NCQC/VP/2020-21/CR-67 Date: 03-02-2021

1. TEST REPORT ON CEMENT

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
(Project*: Improvements to roads and Drains at Chokkanahalli Surrounding area in ward no-85
(Jakkur) Byatarayanapura Sub-Division.)
Ref: Material testing/PMC/20-21.
Report Required by: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Y.R. Sridhar, Bangalore.

PHYSICAL TESTS ON CEMENT

Grade * : 53.
Type * : O.P.C

TABLE I:

Sl. No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	138 min	Shall not be less than 30 min
2	Final setting time	270 min	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	2.13%	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	2.08 mm	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	28.64 N/Sq mm	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Chokkanahalli Main Road LHS(From Main Rd)

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Asst. Executive Engineer
Project Division
Yelahanka Zone
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NEW TECHNOLOGIES TO INNOVATE

NC/QC/VPD/2020-21/CH-PCC1 Date: 03-02-2021

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
(Project*: Improvements to roads and Drains at Chokkanahalli Surrounding area in ward no-05 (Jakkkur) Byatarayanapura Sub Division.)
Ref.: Material testing PMC/20-21.
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Y.R. Sridhar, Bangalore.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	64.75	0-20	30- 70
10mm	31.25	0-5	10- 35
4.75mm	4.05	-----	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	96.35	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	81.05	60-95	75-100	85-100	
01.18	73.65	30-70	55-90	75-100	
600.mic	47.55	15-34	35-59	60-79	
300.mic	23.10	5-20	8-30	12-40	
150.mic	6.45	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Chokkanahalli Main Road LHS(From Main Rd)

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NC/QC/YPD/2020-21/CH-C2

Date: 06-02-2021

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Improvements to roads and Drains at Chokkanahalli Surrounding area in ward no-05 (Jakkkur) Byatarayanapura Sub Division.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Y.R. Sridhar, Bangalore.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**163 min**	Shall not be less than 30 min
2	Final setting time	**275 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.19%**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.06 mm**	Shall not be more than 10 mm
5	Compressive strength b) 3 days (average of three results)	**28.55 N/Sq mm**	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Matru Condiment Road LHS (from Chokkanahalli Rd)

Asst. Executive Engineer
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NC/QC/YPD/2020-21/CH-PCC2

Date: 06-02-2021

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Improvements to roads and Drains at Chokkanahalli Surrounding area in ward no-05 (Jakkkur) Byatarayanapura Sub Division.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Y.R. Sridhar, Bangalore.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	67.25	0 -20	30- 70
10mm	28.15	0 -5	10- 35
4.75mm	3.65	——	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	95.15	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	83.25	60-95	75-100	85-100	
01.18	71.05	30-70	55-90	75-100	
600.mic	46.75	15-34	35-59	60-79	
300.mic	2.55	5-20	8-30	12-40	
150.mic	7.35	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Matru Condiment Road LHS (from Chokkanahalli Rd)

29.2.21
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NC/QC/YPD/2020-21/CH-C3 Date: 16-02-2021

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Improvements to roads and Drains at Chokkanahalli Surrounding area in ward no-05 (Jakkkur) Byatarayanapura Sub Division.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Y.R. Sridhar, Bangalore.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**162 min**	Shall not be less than 30 min
2	Final setting time	**285 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.13%**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.06 mm**	Shall not be more than 10 mm
5	Compressive strength c) 3 days (average of three results)	**28.76 N/Sq mm**	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site Chokkanahalli Layout Main Road LHS (From Main Road)

Asst. Executive Engineer
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Yelahanka Zone
BBMP, Bangalore - 92

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NC/QC/VPD/2020-21/CH-PCC3

Date: 16-02-2021

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Improvements to roads and Drains at Chokkanahalli Surrounding area in ward no-05 (Jakkkur) Byatarayanapura Sub Division.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Y.R. Sridhar, Bangalore.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	**100.00**	85-100	90 – 100
20mm	**62.30**	0 -20	30- 70
10mm	**29.85**	0 -5	10- 35
4.75mm	**3.55**	-----	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	**98.25**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**81.55**	60-95	75-100	85-100	
01.18	**74.35**	30-70	55-90	75-100	
600.mic	**46.80**	15-34	35-59	60-79	
300.mic	**23.15**	5-20	8-30	12-40	
150.mic	**6.70**	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Chokkanahalli Layout Main Road LHS (From Main Road)

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Asst. Executive Engineer
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NC/QC/YPD/2020-21/CH-C4 Date: 25-02-2021

I. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
(Project*: Improvements to roads and Drains at Chokkanahalli Surrounding area in ward no-05 (Jakkur) Byatarayanapura Sub Division.)
Ref: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Y.R. Sridhar, Bangalore.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE I.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**154 min**	Shall not be less than 30 min
2	Final setting time	**280 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.15%**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.03 mm**	Shall not be more than 10 mm
5	Compressive strength d) 3 days (average of three results)	**28.86 N/Sq mm**	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : 2nd Cross Road LHS From Main Rd

Asst. Executive Engineer
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Yelahanka Zone
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NC/QC/YPD/2020-21/CH-PCC4

Date: 25-02-2021

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Improvements to roads and Drains at Chokkanahalli Surrounding area in ward no-05 (Jakkkur) Byatarayanapura Sub Division.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Y.R. Sridhar, Bangalore.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	64.70	0 -20	30- 70
10mm	30.15	0 -5	10- 35
4.75mm	4.10	-----	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	94.35	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	82.50	60-95	75-100	85-100	
01.18	72.65	30-70	55-90	75-100	
600.mic	48.10	15-34	35-59	60-79	
300.mic	23.95	5-20	8-30	12-40	
150.mic	7.25	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : 2nd Cross Road LHS From Main Rd

29.2.21

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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NCQCVPD/2020-21/CH-CE1 Date: 22-02-2021

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
(Project*: Improvements to roads and Drains at Chokkanahalli Surrounding area in ward no-05 (Jakkur) Byatarayanapura Sub Division.)
Ref: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Y.R. Sridhar, Bangalore.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

Sl. No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	186 min	Shall not be less than 30 min
2	Final setting time	275 min	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	1.83 %	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	1.96 mm	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	28.54 N/Sq mm	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Muneshwara Temple Road

Asst. Executive Engineer
Project Division
Yelahanka Zone
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NC/QC/VPD/2020-21/CH-FA2 Date: 22-02-2021

1. TESTING OF FINE AGGREGATES :

Sub: Testing of Fine Aggregates.
(Project*: Improvements to roads and Drains at Chokkanahalli Surrounding area in ward no-05 (Jakkkur) Byatarayanapura Sub Division.)
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Y.R. Sridhar, Bangalore.

TABLE - 1.1 : SIEVE ANALYSIS.

IS Sieve Size,mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -II	
04.75	**97.15**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**81.25**	60-95	75-100	85-100	
01.18	**73.05**	30-70	55-90	75-100	
600. mic	**45.80**	15.34	35-59	60-79	
300.mic	**23.50**	5-20	8-30	12-40	
150.mic	**6.35**	0-10	0-10	0-10	

TABLE 1.2 ;

Sl No	Test Conducted	Sample	Results	**Requirements** as Per IS. Specification IS :383-1970 (Reaffirmed 2002)
1	Bulking of Sand	001	**17.63%**	-----
2	Silt Content	----	**0.58%**	Not more than 8%
3	Specific Gravity	----	**2.61**	-------

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Chokkanahalli Main Road

Asst. Executive Engineer
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Yelahanka Zone
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Page No. 1/1,

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NC/QC/YPD/2020-21/CH-CA2 Date: 22-02-2021

1. TESTING OF COARSE AGGREGATES (20 mm):

Sub: Testing of Construction Materials.
(Project*: Improvements to roads and Drains at Chokkanahalli Surrounding area in ward no-08 (Jakkkur) Byatarayanapura Sub Division.)
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Y.R. Sridhar, Bangalore.

Table - 1.1 : SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2002) % Passing	
	20 mm Sample	Single size	Graded
40 mm	100.00	100.00	100.00
20 mm	98.25	85-100	90 - 100
10 mm	42.10	0 - 20	25 - 55
4.75 mm	3.95	0 - 5	0 - 10

TABLE 1.2 :

SL No	Test conducted	Results	Requirements as per IS 383-1970 & Tests Conforms to IS 2386(Part I to IV) - 1963 (Reaffirmed on 2002)
1	Flakiness Index	25.47%	Not to exceed 25 %
2	Crushing value	28.72 %	Not to exceed 45 % for concrete other than for wearing surfaces and 30% for concrete for wearing surfaces

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : 2nd Cross Road

Asst. Executive Engineer
Project Division
Yelahanka Zone
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NEW TECHNOLOGIES TO INNOVATE

NC/QC/YPD/2020-21/CH-S1 Date: 22-02-2021

1. TEST REPORT ON REINFORCEMENT STEEL:

Sub: Testing of Reinforcement Steel of diameter 10and 12 mm **TMT Steel.**
{Project*: Improvements to roads and Drains at Chokkanahalli Surrounding area in ward no-05 (Jakkkur) Byatarayanapura Sub Division.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Y.R. Sridhar, Bangalore.

TABLE – 1

SL No	Details	For 10 mm		For 12 mm	
		Test Results	Min Req as per IS 1786-2008	**Test Results**	Min Req as per IS 1786-2008
01	Observed diameter of bar	**10.0 mm**	10.0 mm	**12.0 mm**	12.0 mm
02	Observed Wt/m Length **Kg/m**	**0.621**	0.567	**0.892**	0.834
03	Proof stress/Yield stress, fy , **N/mm^2**	**554.0**	500.0	**556.0**	500.0
04	Bend/ Re bend Test	**Ok**	---	**Ok**	---
05	Percentage of Elongation, %	**20.60**	12.00	**21.50**	12.00
06	Ultimate Tensile Strength **N/mm^2**	**646.0**	545.0	**641.0**	545.0

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Muneshwara Temple Road

Asst. Executive Engineer
Project Division
Yelahanka Zone
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NC/QC/YPD/2020-21/CH-CB1

Date: 02-03-2021

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Improvements to roads and Drains at Chokkanahalli Surrounding area in ward no-05 (Jakkkur) Byatarayanapura Sub Division.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Y.R. Sridhar, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	23-02-21	02-03-21	07	22500	365	16.22	**16.30**
	002	"	"	"	"	360	16.00	
	003	"	"	"	"	375	16.67	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Chokkanahalli Main Road(LHS)

29.3.21
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NC/QC/YPD/2020-21/CH-CB2 **Date: 05-03-2021**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Improvements to roads and Drains at Chokkanahalli Surrounding area in ward no-05 (Jakkkur) Byatarayanapura Sub Division.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Y.R. Sridhar, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	26-02-21	05-03-21	07	22500	380	16.89	**16.89**
	002	"	"	"	"	370	16.44	
	003	"	"	"	"	390	17.33	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Matru Condiment Road(RHS)

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE

NC/QC/YPD/2020-21/CH-CB3 Date: 09-03-2021

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
(Project*: Improvements to roads and Drains at Chokkanahalli Surrounding area in ward no-05 (Jakkkur) Byatarayanapura Sub Division.)
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Y.R. Sridhar, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	02-03-21	09-03-21	07	22500	375	16.67	16.74
	002	"	"	"	"	385	17.11	
	003	"	"	"	"	370	16.44	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Chokkanahalli Layout Main Road(LHS)

Page No. 1/1,

20.03.21
Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

NEWZEN CONSULTANT ★ Bangalore ★

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
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NC/QC/YPD/2020-21/CH-CB4

Date: 12-03-2021

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Improvements to roads and Drains at Chokkanahalli Surrounding area in ward no-05 (Jakkkur) Byatarayanapura Sub Division.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Y.R. Sridhar, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	05-03-21	12-03-21	07	22500	370	16.44	**16.67**
	002	"	"	"	"	380	16.89	
	003	"	"	"	"	375	16.67	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : 2nd Cross Road(RHS)

20.3.21
Asst. Executive Engineer
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Yelahanka Zone
BBMP, Bangalore - 92

NEWZEN CONSULTANT ★ Bangalore ★

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NC/QC/YPD/2020-21/CH-CB5 Date: 15-03-2021

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Improvements to roads and Drains at Chokkanahalli Surrounding area in ward no-05 (Jakkkur) Byatarayanapura Sub Division.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Y.R. Sridhar, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	08-03-21	15-03-21	07	22500	380	16.89	**16.81**
	002	"	"	"	"	370	16.44	
	003	"	"	"	"	385	17.11	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Muneshwara Temple Road(RHS)

29.03.21
Asst. Executive Engineer
Project Division
Yelahanka Zone
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NEWZEN CONSULTANT ★ Bangalore ★

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NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE

NC/QC/YPD/2020-21/CH-CB6

Date: 17-03-2021

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Improvements to roads and Drains at Chokkanahalli Surrounding area in ward no-05 (Jakkkur) Byatarayanapura Sub Division.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Y.R. Sridhar, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	10-03-21	17-03-21	07	22500	360	16.00	**16.07**
	002	"	"	"	"	355	15.78	
	003	"	"	"	"	370	16.44	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Chokkanahalli Main Road(LHS)

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

NEWZEN CONSULTANT ★ Bangalore ★

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NC/QC/YPD/2020-21/CH-CB7

Date: 20-03-2021

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Improvements to roads and Drains at Chokkanahalli Surrounding area in ward no-05 (Jakkkur) Byatarayanapura Sub Division.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Y.R. Sridhar, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	13-03-21	20-03-21	07	22500	365	16.22	**16.15**
	002	"	"	"	"	370	16.44	
	003	"	"	"	"	355	15.78	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Chokkanahalli Main RoaD (RHS)

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

NEWZEN CONSULTANT Bangalore

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NEWZEN CONSULTANTS BANGALORE
NEW TECHNOLOGIES TO INNOVATE

NC/QC/VPD/2020-21/CH-CB8

Date: 23-03-2021

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength)
{Project*: Improvements to roads and Drains at Chokkanahalli Surrounding area in ward no-05 (Jakkkur) Byatarayanapura Sub Division.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Y.R. Sridhar, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	16-03-21	23-03-21	07	22500	385	17.11	**16.59**
	002	"	"	"	"	370	16.44	
	003	"	"	"	"	365	16.22	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Chokkanahalli Layout Main Road(LHS)

29.03.21
Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

NEWZEN CONSULTANT ★ Bangalore ★

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